Title (en)

SYSTEM AND METHOD FOR DETERMINING DEPTH PERCEPTION IN VIVO IN A SURGICAL ROBOTIC SYSTEM

Title (de)

SYSTEM UND VERFAHREN ZUR BESTIMMUNG DER TIEFENWAHRNEHMUNG IN VIVO BEI EINEM CHIRURGISCHEN ROBOTERSYSTEM

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTERMINATION DE LA PERCEPTION DE PROFONDEUR IN VIVO DANS UN SYSTÈME ROBOTISÉ CHIRURGICAL

Publication

EP 4099914 A4 20240228 (EN)

Application

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Priority

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Abstract (en)

[origin: WO2021159048A1] A system and method for generating a depth map from image data in a surgical robotic system that employs a robotic subsystem having a camera assembly with first and second cameras for generating image data. The system and method generates based on the image data a plurality of depth maps, and then converts the plurality of depth maps into a single combined depth map having distance data associated therewith. The system and method can then control the camera assembly based on the distance data in the single combined depth map.

IPC 8 full level

A61B 17/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (application)

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